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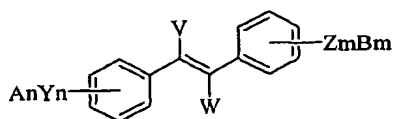
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(54) Title: NOVEL SIRTUIN ACTIVATING COMPOUNDS AND METHODS FOR MAKING THE SAME



(I)

(57) Abstract: The present invention includes methods for preparing resveratrol, resveratrol esters and substituted and unsubstituted stilbenes of the formula given below; where each Y is -O or halogen, each Z is -O or halogen, each n and each m is independently the value of 0, 1, 2, 3, 4 or 5, each A and each B is independently selected from

P_n , straight or branched alkyl of from (2) to (6) carbon atoms and cycloalkyl of from (3) to (8) carbon atoms, alkoxy, phenyl, benzyl or halogen, R is independently selected from the group comprising alkyl with at least one carbon atom, aryl and aralkyl, P_n is an alcohol protecting group and diastereoisomers of the foregoing. The compounds are made from a multi-step process including a N-heterocyclic carbene-type ligand coupling in the presence of a base with benzyol halide and styrene coupling partners. These compounds show increased stability for use in the food, cosmetic and pharmaceutical industries.